

Serial Number: 10/029,079**ENTERED**CRF Processing Date: 1/22/2002Edited by:           Verified by:            (STIC Staff)☐ Changed a file from non-ASCII to ASCII☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.☐ Edited a format error in the Current Application Data section, specifically:  
\_\_\_\_\_☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_.☐ Added the mandatory heading and subheadings for "Current Application Data".☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:  
\_\_\_\_\_☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:  
\_\_\_\_\_☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:  
\_\_\_\_\_☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.☐ Inserted colons after headings/subheadings. Headings edited included:  
\_\_\_\_\_☐ Deleted extra, invalid, headings used by an applicant, specifically:  
\_\_\_\_\_☒ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file;  
☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_.☐ Inserted mandatory headings, specifically: \_\_\_\_\_☐ Corrected an obvious error in the response, specifically:  
\_\_\_\_\_☐ Edited identifiers where upper case is used but lower case is required, or vice versa.☐ Corrected an error in the Number of Sequences field, specifically:  
\_\_\_\_\_☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_☐ Other: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



OIPE

## RAW SEQUENCE LISTING

DATE: 01/22/2002

PATENT APPLICATION: US/10/029,079

TIME: 19:34:01

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01222002\J029079.raw

3 <110> APPLICANT: Clevenger, Charles V  
 4 Kline, J. Bradford  
 6 <120> TITLE OF INVENTION: Composition and Method for Modulating Somatolactogenic  
 Function  
 8 <130> FILE REFERENCE: PENN-0795  
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/029,079  
 C--> 10 <141> CURRENT FILING DATE: 2001-12-21  
 10 <150> PRIOR APPLICATION NUMBER: 60/258,285  
 11 <151> PRIOR FILING DATE: 2000-12-22  
 13 <160> NUMBER OF SEQ ID NOS: 4  
 15 <170> SOFTWARE: PatentIn version 3.1  
 17 <210> SEQ ID NO: 1  
 18 <211> LENGTH: 22  
 19 <212> TYPE: DNA  
 20 <213> ORGANISM: Artificial Sequence  
 22 <220> FEATURE:  
 23 <223> OTHER INFORMATION: Synthetic  
 25 <400> SEQUENCE: 1  
 26 cgaattccag ttacctcctg ga 22  
 29 <210> SEQ ID NO: 2  
 30 <211> LENGTH: 24  
 31 <212> TYPE: DNA  
 32 <213> ORGANISM: Artificial Sequence  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: Synthetic  
 37 <400> SEQUENCE: 2  
 38 gctcgagtca tgtatcattc tggt 24  
 41 <210> SEQ ID NO: 3  
 42 <211> LENGTH: 210  
 43 <212> TYPE: PRT  
 44 <213> ORGANISM: Homo sapien  
 46 <400> SEQUENCE: 3  
 48 Met Lys Glu Asn Val Ala Ser Ala Thr Val Phe Thr Leu Leu Leu Phe  
 49 1 5 10 15  
 52 Leu Asn Thr Cys Leu Leu Asn Gly Gln Leu Pro Pro Gly Lys Pro Glu  
 53 20 25 30  
 56 Ile Phe Lys Cys Arg Ser Pro Asn Lys Glu Thr Phe Thr Cys Trp Trp  
 57 35 40 45  
 60 Arg Pro Gly Thr Asp Gly Gly Leu Pro Thr Asn Tyr Ser Leu Thr Tyr  
 61 50 55 60  
 64 His Arg Glu Gly Glu Thr Leu Met His Glu Cys Pro Asp Tyr Ile Thr  
 65 65 70 75 80  
 68 Gly Gly Pro Asn Ser Cys His Phe Gly Lys Gln Tyr Thr Ser Met Trp  
 69 85 90 95

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72 Arg Thr Tyr Ile Met Met Val Asn Ala Thr Gln Met Gly Ser Ser Phe
73      100      105      110
76 Ser Asp Glu Leu Tyr Val Asp Val Thr Tyr Ile Val Gln Pro Asp Pro
77      115      120      125
80 Pro Leu Glu Leu Ala Val Glu Val Lys Gln Pro Glu Asp Arg Lys Pro
81      130      135      140
84 Tyr Leu Trp Ile Lys Trp Ser Pro Pro Thr Leu Ile Asp Leu Lys Thr
85 145      150      155      160
88 Gly Trp Phe Thr Leu Leu Tyr Glu Ile Arg Leu Lys Pro Glu Lys Ala
89      165      170      175
92 Ala Glu Trp Glu Ile His Phe Ala Gly Gln Gln Thr Glu Phe Lys Ile
93      180      185      190
96 Leu Ser Leu His Pro Gly Gln Lys Tyr Leu Val Gln Val Arg Cys Lys
97      195      200      205

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100 Pro Asp

101 210

104 &lt;210&gt; SEQ ID NO: 4

105 &lt;211&gt; LENGTH: 633

106 &lt;212&gt; TYPE: DNA

107 &lt;213&gt; ORGANISM: Homo sapien

109 &lt;400&gt; SEQUENCE: 4

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110 atgaaggaaa atgtggcatc tgcaaccggt ttcactctgc tactttttct caacacctgc      60
112 cttctgaatg gacagttacc tcctggaaaa cctgagatct ttaaagtgcg ttctcccaat      120
114 aaggaaacat tcacctgctg gtggaggcct gggacagatg gaggacttcc taccaattat      180
116 tcaactgactt accacagga aggagagaca ctcatgcatg aatgtccaga ctacataacc      240
118 ggtggcccca actcctgcc ctttggcaag cagtacacct ccatgtggag gacatacatc      300
120 atgatggtca atgccactaa ccagatggga agcagtttct cggatgaact ttatgtggac      360
122 gtgacttaca tagttcagcc agaccctcct ttggagctgg ctgtggaagt aaaacagcca      420
124 gaagacagaa aaccctacct gtggattaaa tggctctccac ctaccctgat tgacttaaaa      480
126 actggttggg tcacgctcct gtatgaaatt cgattaaaac ccgagaaagc agctgagtgg      540
128 gagatccatt ttgctgggca gcaaacagag tttaagattc tcagcctaca tccaggacag      600
130 aaataccttg tccaggttcg ctgcaaacca gac                                633

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/029,079

DATE: 01/22/2002

TIME: 19:34:02

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\01222002\J029079.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date